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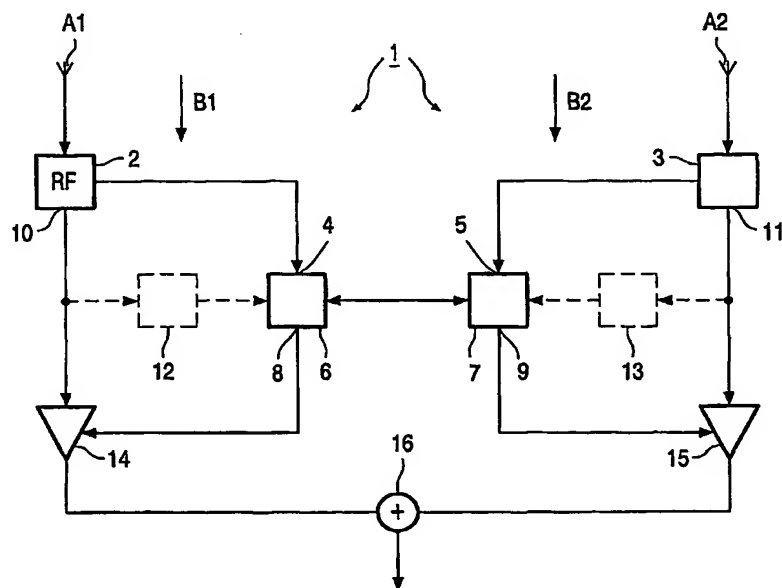
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(54) Title: DIVERSITY RECEIVER HAVING CROSS COUPLED CHANNEL PARAMETER ESTIMATION



(57) **Abstract:** A diversity receiver has multiple antenna receiving branches. Each branch has means for estimating at least a receiving channel parameter, and the channel parameter estimating means in one branch are coupled to the channel parameter estimating means in an other branch. This way at least a part of the channel parameter estimate in the one branch is used as an aid for estimating at least a receiving channel parameter in the other branch. This saves processing time and processing power in the diversity receiver, and even results in a higher accuracy when selecting the best antenna and receiving branch.

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